Critical Decision Points for a Selenium Ecosystem Scale Model

The table below states the main steps to develop a Se Ecosystem Scale model. The Driver is indicative of the creation of the model and not of using the model to calculate a protective water column concentration.

Decision	Driver	Public Participation process /date	Documentation of Decision
What Fish Species will be protected?	Policy/science	First process/Sep 2018	
What taxonomic rank do we use for decisions? Species level? Genus level?	Policy/science	First process/Sep 2018	
What is our desired level of protection? 95%; 90%; 50%, etc. at what steps is this applied and does it differ at the different steps?	Policy/science	First process/Sep 2018	
Egg-Ovary final chronic value	Policy/Science	First process/Sep 2018	
Egg/ovary Concentration	Data**	Second process/August 2019	
Species Egg-Ovary to Whole-Body Conversion Factor AND muscle to whole body CFs	Calculation/literature?	Second process/August 2019	
Fish Whole Body Concentration	Data	Second process/August 2019	
Species Trophic Transfer Function	Calculation/literature	Second process/August 2019	
Invertebrate Concentration	Data	Second process/August 2019	
Species Trophic Transfer Function	Calculation/literature	Second process/August 2019	
Concentration in Particulate Material	Data	Second process/August 2019	
Kd	calculation	Second process/August 2019	
Water Column concentration	Data	Second process/August 2019	

** Most data collected decision points can also be informed by literature values, often found in a concise manner in the EPA selenium criteria document, 2016.

Location - Where will the number be set in the reservoir?